

PROCESS FOR PRODUCING A SCRATCH-RESISTANT
MULTILAYERED ARTICLE

ABSTRACT OF THE DISCLOSURE

Disclosed is a process for preparing a multilayered coated article that includes in sequence, a substrate (S), a surface treated silane based scratch-resistant layer (R), and a silane based topcoat layer (T). The scratch-resistant layer (R) is formed by applying a scratch-resistant coating composition onto the substrate, and at least partially curing the applied scratch-resistant coating composition. The scratch-resistant coating composition comprises a polycondensate prepared by a sol-gel process from at least one silane. The surface of the scratch-resistant layer is treated by flame, corona and/or plasma treatment. The topcoat layer is formed by applying a topcoat coating composition to the surface-treated scratch-resistant layer, and curing the applied topcoat coating composition.